TETRA TECH

John Craig
Vice President

December 14, 2009

APPROVED
12/16/09
E1/CP: B-00909

Mr. David Wells
Storm Water Department
The City of San Diego
9370 Chesapeake Drive, Suite 100
San Diego, CA 92123-1024

Subject: **Contract H084445, Task Order #19**
Avenida de la Playa Storm Drain

Dear David:

Attached for your review is the revised Work Plan and pricing for Task Order 19. Our proposed cost to complete the efforts outlined in the scope of work is:

$843,037

Our work plan includes efforts from team subs Allied Geotechnical Engineers and RECON. In addition, we are requesting approval to include Platt/Whitelaw Architects, Inc. to support this project. Platt/Whitelaw is a San Diego based architectural design firm that will provide invaluable support to this effort—they are a certified Woman Owned Business and have worked with Tt on similar projects. Attached is their certificate.

If you require additional information, please contact Steve Carter at (619) 702-6059 or Angie Marciano at (703) 385-6000.

Sincerely,

John Craig
Vice President

Submitted electronically with electronic CCs to:

Stephen Carter, PE
Angie Marciano

Tetra Tech, Inc.
1230 Columbia Street, Suite 1000, San Diego, CA 92101
Tel 619.702.6059 Fax 619.525.7186 www.tetratech.com

December 14, 2009
Contract H084445, Task Order No. 19

SCOPE OF WORK
Avenida de la Playa Storm Drain

12/16/09

1.0 INTRODUCTION

This Scope of Work (SOW) describes the Tetra Tech, Inc. (Tetra Tech) level of effort to support the City of San Diego in the research, analysis & design of the following:

Approximately 1300 linear feet of storm drain including a double box culvert, new outlet structure and a low flow drainage diversion system to divert dry weather flows to the sanitary sewer system to meet the water quality regulations of the receiving waters which have been designated as an Area of Special Biological Significance (ASBS). Also included in this project are approximately 1,276 LF for sewer and 143 LF for water. The design will also include traffic control for construction, specifications, BMP's (construction and permanent) and support during the bidding and construction phase. A geotechnical report will also be required including all necessary dewatering, archaeological and Native American monitoring, and any necessary sampling and removal of contaminated soil.

2.0 TECHNICAL APPROACH

The following tasks summarize the Tetra Tech approach to completing the work outlined in the Scope of Work.

TASK 1: Project Management and Reporting

Tetra Tech will maintain communication with the City's Task Order Manager or other designee to keep them apprized of progress, upcoming milestones, and any issues that could potentially impact project performance. For this Task Order, Mr. Brad Nguyen, will serve as the Project Manager and he will be responsible for all official communications with the City.

Mr. Nguyen will be responsible for working with the Tetra Tech Contract Administrator to ensure monthly progress reports and invoices are submitted in an accurate and timely manner on or prior to the 5th day of each month during which the Task Order is active. Mr. Nguyen will work with the Task Order Manager to ensure all desired information is included in the monthly progress report but a minimum the following information will be included:

1. Reporting period
2. Work completed in the reporting period (activities and accomplishments)
3. Work anticipated in the following reporting period
4. Expenditures in this progress report period and cumulative total will be broken down by asset type (i.e. Sewer, Water and Storm Drain).
5. Any issues or problems encountered and how they were resolved

Deliverables:

- Monthly progress memos and meetings with City of San Diego staff to ensure that work completed address issues and objectives

TASK 2: Community Outreach

Tetra Tech will provide the following assistance to the City during community outreach activities:

Project Management and Project Meetings: The Project Manager will maintain regular communications with the project team. Attend up to 15 project team meetings and provide updates on community relations at the meetings.

Community/Stakeholder Group Meetings:
The City will schedule presentations at existing community group meetings (La Jolla Town Council and La Jolla Community Planning Association). Tetra Tech will assist in the plan presentation, prepare materials and visuals, prepare project team speakers, take notes at meeting and prepare summaries, estimated for 8 meetings.

City Council Office Staff Briefings:
Tetra Tech will assist the project team in planning briefing meetings, estimated at 2 visits.

TASK 3: Schematic Design

Tetra Tech with provide Civil Schematic Design Service and Tetra Tech's sub consultant Platt/Whitelaw will provide Architectural Schematic Design Services, that will consist of the following:

- Civil Schematic Design Services to show conceptual designs of the civil details of the storm drain outfall structure, storm drain culvert, low flow diverter, water lines and sewer lines.
- Architectural Schematic Design Services to show the conceptual exterior appearance of the storm drain outfall structure.
- Graphic presentation of three (3) Civil and Architectural schematic design alternatives for the storm drain outfall structure will be prepared.
- Attend three (3) meetings with City and Design Team to decide on preferred design alternatives.
- Attend two (2) public meetings for public input.

TASK 4: Environmental Work

Tetra Tech's sub consultant, RECON Environmental, Inc. will provide the following environmental services:

Testing:

- Excavate 2 one-by-one meter units in coordination with the geotechnical work, where feasible (AX 1050). Materials will be passed through a 1/8-inch wet screen at a location determined in coordination with the City. Catalogue and analyze recovered materials. No special studies are anticipated as part of this analysis. Excavation units in the roadway will be performed concurrently with Tetra Tech's geotechnical sub consultant, who will provide traffic control, road work to cut and replace any pavement, safety issues (i.e. shoring) while trenches are open. Haul the soil from the excavation units to the wet-screening location. Should the final disposition location be at a different location, additional authorization would be needed for moving the soil from the wet screening location and not to be considered part of the SOW. (AX1060)

- Curate up to one 30-lb. box at the San Diego Archaeological Center. AX1070
- Subcontract with Red Tail Monitoring to provide up to 80 hours of Native American monitoring during testing.

Permit Applications:

- Provide environmental technical support to City of San Diego staff during the processing of the Site Development Permit and Coastal Development Permit applications that may be necessary for the project. This effort includes review of the applications relative to environmental resource issues associated with the project and providing technical resource support based on secondary source information.

CEQA Documentation:

- Provide draft responses to the public review comments received on the Draft Mitigated Negative Declaration circulated for public review. Also assist City staff with responding to comments received on the Site Development Permit. Expend up to 40 hours providing responses to the Draft MND and the SDP.

Preparation of an Environmental Assessment (EA):

- Prepare an Environmental Assessment (EA) for the construction of a storm drain system in the City of San Diego. The EA will use the environmental documentation completed as part of the City of San Diego's project, as appropriate, for the development of the EA. The EA will be formatted to conform to the requirements of the EPA.

Preparation of the administrative Draft /EA will involve the following tasks:

- Attend up to 18 hours of meetings with Client to address issues associated with the Draft EA. EA1020
- Attend up to 8 hours of meetings with EPA. EA1030
- Prepare a draft Environmental Information Document (EID). The EID will describe and evaluate the environmental impacts and feasible alternatives and will be used by the EPA in making a determination whether the proposed project would have a significant impact on the environment. A discussion of cumulative impacts would also be included. A draft of the EID will be submitted to the City for review prior to submittal to the EPA. Prepare one set of revisions to the EID based on comments from City staff.
- Based on a determination by the EPA that the project would have no significant effect, prepare the draft Environmental Assessment (EA). The Draft EA will include mandated sections including an introduction, present environment, description of proposed project, project impacts and mitigation, and alternatives considered. The EA would include the results of the Section 106 and Section 7 consultations. The draft EA would be submitted to the City for review prior to submittal to the EPA.
- Prepare one set of revisions to the EA based on comments from City staff.
- Prepare one set of revisions to the EA based on comments provided by the EPA.
- If reports not specified above are deemed necessary by the local jurisdiction, these reports would require additional authorization and are not to be considered a part of the SOW.

Assumptions:

- Changes in SOW directed by the City after beginning the project will be considered "Additional Services".

TASK 5: Geotechnical Investigation

Tetra Tech's sub consultant Allied Geotechnical Engineers, Inc. will perform a desktop study that is based solely on a review of readily available information. An evaluation of the local subsurface conditions, a subsurface investigation using Cone Penetrometer Test (CPT) soundings will be performed. The SOW and assumptions are presented in the following tasks:

Geotechnical Desktop Study:
This task consists of a geotechnical desktop study of the proposed project site based on a review of readily available information and geologic reconnaissance mapping. The information will include published geologic literature and maps, geotechnical and environmental reports prepared by others, preliminary project design plans, topographic maps, and as-built utility plans. Possible sources of information include files/records maintained by the City of San Diego and other municipal agencies which have jurisdiction over the project site, and in-house resources.

The findings of the desktop study and a discussion of the general geologic and geotechnical aspects of the project will be presented in a written report that will address the following issues:

- General surface and subsurface conditions;
- General geologic conditions and potential geologic hazards;
- Groundwater conditions, if encountered within the maximum depth of exploration;
- Soil excavation characteristics;
- Allowable soil bearing capacity and earth pressures;
- Modulus of subgrade reaction;
- Soil settlement characteristics; and
- General construction-related considerations, including trench backfilling operations, temporary sloped excavations and shoring, and construction dewatering, if applicable.

Assumptions:

- Deliverables consists of six (6) copies of the report.
- The City will make their in-house files for other projects which are located in the vicinity of the project alignment available for review at no cost.

Project Administration:
This task includes various project-related services, including but not limited to the following:

- Contract administration;
- Communications and coordination with Tetra Tech and other members of the design team, and representatives from the City;
- Coordination and management of subcontractors; and
- Technical oversight of the field exploration activities.

Plan Review:
This task involves a review of the project plans and earthwork-related specifications prior to finalizing (e.g. at the 60% submittal stage) to verify that the recommendations presented in the geotechnical report have been properly incorporated.

Cone Penetrometer Test (CPT) Soundings:

Additional subsurface data required for the design of the proposed project, subsurface investigation using Cone Penetrometer Test (CPT) soundings will be performed. For cost estimating purposes, AGE assumes that four CPT soundings will be sufficient.

Field Reconnaissance, Planning, permitting and Utility Clearance:
This task will include the performance of several subtasks in preparation of the geotechnical field exploration program, as follows:

- Perform a site visit to select and mark the proposed CPT sounding locations based on local traffic conditions and as-built utility information.
- Coordinate utility clearance of the proposed CPT sounding locations through Underground Service Alert (USA).
- Obtain traffic control permits from the City's Traffic Engineering Department and a soil boring permit from the County of San Diego Department of Environmental Health Services (County DEHS).
- Coordination with Tetra Tech's environmental consultant to incorporate the geotechnical field exploration program with the environmental field testing.

Assumptions:

- The City will execute the County DEHS "Property Owner Responsibility Acknowledgement" form that will need to be submitted to the County DEHS as part of the boring permit application.
- Tetra Tech's environmental sub-consultant will be incorporating their field testing concurrently with the geotechnical field exploration and assumes that no other regulatory and/or environmental agency permits will be required.

Geotechnical Field Exploration Program:

- Perform four (4) CPT soundings to a depth of 20 feet below the existing ground surface along the proposed project alignment. The CPT operation consists of hydraulically pushing an integrated electronic piezocone at an average rate of about 2 centimeters per second into a soil deposit. The piezocone consists of a conical tip and cylindrical fiction sleeve mounted at the end of a series of sounding rods. The cone has a tip area of 10 cm2 and a fiction sleeve area of 150 cm2. It is noted that although the CPT hole diameter is only 3 cm, the potential for destruction of archeological artifacts still exist.

- During the field exploration, an attempt to obtain samples with push tube sampler at selected depth intervals will be performed. Soil cuttings retained in the samplers will be field screened for the presence of volatile organic compounds using an Organic Vapor Meter (OVM).

- Upon completion of the field exploration activities, the holes will be backfilled with bentonite chips. In the event that the hole is located in the paved public right-of-way, the hole will be capped with a 6-inch thick cap of rapid-set concrete to match the adjacent pavement surface. The work area will be cleaned and any excess soil will be removed for offsite disposal.

Assumptions:

- The CPT sounding depth is based on our understanding of the proposed pipe invert depths. The actual depth may be less than the target depth in the event that refusal on cemented zones or oversized rock/boulders is encountered.

- Assumes that there are no hazardous material contamination issues along the project alignment. In the event that visual or odoriferous indications of soil contamination are detected, we will immediately cease the field operations and notify Tetra Tech and the City to discuss further action.
- Assumes that this project is considered a "public works project" that is subject to State of California prevailing wage requirements.

Laboratory Testing:
Selected soil samples obtained during the field investigation will be tested in the laboratory to determine their engineering characteristics. The testing will be performed in general conformance with the applicable procedures of the American Society for Testing and Materials (ASTM) and/or other generally accepted testing methods, and is anticipated to be limited to sieve analysis, in-place dry density and moisture content.

Assumptions:
It is noted that this proposal does not include the performance of "Additional Services" that may be required or requested in connection with the project. The scope of "Additional Services" may include attendance at team meetings or public hearings, performance of a Phase I Environmental Site Assessment study or consultation regarding hazardous materials issues, and/or construction phase engineering support services.

TASK 6: Hydrologic/Hydraulic Analysis

Tetra Tech will prepare the hydrologic and hydraulic analyses, which will provide design parameters for planned improvements to the existing storm drain system located within Avenida de La Playa in order to eliminate negative drainage and storm-pipe infiltration associated with tidal influence at the storm-drain outfall.

Data Collection and Review:
Tetra Tech will collect, collate, and review all readily available data for the project, including aerial photography, topographic mapping, tide records, past storm-drain analyses and assessment reports, land-use plans, and ground photographs. This task will include a site visit to become familiar with the exiting physical environment within the area encompassing the project.

Hydrologic Analysis:
Tetra Tech will conduct a hydrologic analysis of the contributing watershed area impacting the project. The hydrologic analysis will be conducted in conformance with the design guidelines specified in the document titled: "City of San Diego Drainage Design Manual," April, 1984, and "Addendum," dated March, 1989. Emphasis will be placed upon storm frequency, time of concentration, and discharge determination that reflects anticipated future hydrologic conditions within the watershed area encompassing the project.

Hydraulic Analysis:
Tetra Tech will conduct hydraulic analyses of project alternatives to identify a conveyance system which will optimize performance at an economical cost. Included will be considerations for allowable highwater at inlets and access holes, minimum flow velocities, minimum pipe grades, alignment, structural cover, run length, tidal influence, and outfall protection.

Concept Report:

Tetra Tech will prepare a concept report which will summarize the findings of tasks above. The report will include an exhibit which will provide a conceptual plan and profile for the planned project upgrades, as well as exhibits depicting the conceptual details of those appurtenances necessary for the proper functioning of the project. Costs assume that the draft Concept Report will be prepared and two (2) rounds of review comments from the City will be incorporated into a final Concept Report.

Low Flow and Water Quality Analysis:
Tetra Tech will conduct a low flow and water quality analysis of the contributing watershed area impacting the project in accordance with pending Areas of Special Biological Significance (ASBS) regulations as requested by the Engineering and Capital Projects Department and the Storm Water Department. This project will be subject to the permanent storm water best management practices of the 2008 Storm Water Standards.

Deliverables:

- Six (6) Rough Draft Concept Report
- Six (6) Draft Concept Report
- Six (6) Final Concept Report

TASK 7: Final Engineering Design

This task includes preparation of the detailed design plans and specifications for construction.

Survey:
The City's survey crew has completed the topographical survey for the project site. The City will provide the survey files to design the project. The City will provide additional survey if necessary to complete the design of the project.

Utility/As-Built Research:

- Conduct a complete and thorough review of the gathered documents including reports, utility location maps, tract maps, parcel maps, existing easement(s), legal descriptions or other pertinent information necessary to complete the work including review of the City's most current sewer master plan.
- Conduct complete utility coordination as required to construct the storm drain and replacement water and sewer line facilities, including coordinating relocation work if required.
- Send letter request to USA Dig Alert for listing of member utility companies within project area. Tetra Tech will endeavor to research agencies that are not a member of USA Dig Alert but in no way will assume liability for finding all abandoned utilities, or utilities in working order not identified by USA Dig Alert or industry standard research methods.
- Send letter request to each dry utility agency and personally research the City's storm drain/water/sewer record drawings.

Technical Specifications:
Prepare technical specification to support the drawings and complete the elements of the project. We will utilize the City's Standard Specifications and Standard drawings where necessary. We will follow the City's Standard Specifications format used on their past projects. It is assumed that the City will provide an electronic format version of the latest edition of the front-end documents and general provisions to be incorporated with the technical specifications. We will develop the necessary special provisions required for

the work and add them into the specifications. We will recommend the number of working days for construction.

Bid Quantities and Cost Estimates:
Tetra Tech will calculate bid quantities of the items of work for the project. The final bid quantities will provide quantities for items identified in the Bid Schedule of the specifications. Unit costs for the items identified in the Bid Schedule of the specifications will be applied to develop an opinion of probable cost estimate.

Plan Submittals:
The following is an estimated list of the required drawings. The plan and profile sheets will be prepared at Scale 1-inch = 40-feet.

Title Sheet	1 Sheet
Storm Drain General Notes Symbols Abbreviations	1 Sheet
Storm Drain Plan and Profile	2 Sheets
Storm Drain/Transition Structure Details	2 Sheets
Outfall Structure/Sea Wall Structural Plan and Sections	5 Sheets
Outfall Structure Architectural Plan and Sections	2 Sheets
Water and Sewer General Notes Symbols Abbreviations	1 Sheet
Water Plan and Profile	1 Sheet
Water Details	1 Sheet
Sewer Plan and Profile	3 Sheets
Sewer Details	1 Sheet
Low Flow Diversion Notes Symbols Abbreviations	1 Sheet
Low Flow Diversion Plan and Profile	2 Sheets
Low Flow Diversion Structural Plans	4 Sheets
Low Flow Diversion Mechanical Plans	4 Sheets
Low Flow Diversion Electrical Plans	15 Sheets
Pavement and Pedestrian Ramp Plans	2 Sheets
Traffic Control Plans	20 Sheets
Total	68 Sheets

Traffic Control Plans:
Access to adjacent properties, passage of traffic through the project during construction and impacts to traffic flow patterns in the project area are key issues to be addressed during the development of traffic control. The plans will be prepared in accordance with the standards set forth by the City and California Department of Transportation (Caltrans). The plans will address construction work hours, maintenance of access to adjacent properties and emergency vehicle access. We have assumed 20 traffic control sheets will be required for project.

The 30% Design will include:

- A preliminary layout of the Storm Drain, Water and Sewer lines.
- A preliminary layout of the Storm Drain Outfall Structure including the affected portion of the Seawall.
- A preliminary layout of the Low Flow Diversion.
- A preliminary layout of Pavement Areas to be replaced and locations of the Pedestrian Ramps to be installed.

- A draft outline of the Operation and Maintenance Manual for the storm drain outfall and low flow diversion system.
    - Indications when the BMP is no longer functioning will be included.
- A preliminary layout and phasing of the Traffic Control.

Deliverables:

- Six (6) copies of the 30% plans

The 60% Design will include:

- A plan and profile of the Storm Drain, Water and Sewer lines.
- A plan and sections of the Storm Drain Outfall Structure including the affected portion of the Seawall.
- A plan and sections of the Architectural Treatment to Storm Drain Outfall Structure.
- A plan and sections of the Low Flow Diversion system.
- A plan of the Pavement Areas to be replaced and Pedestrian Ramps to be installed.
- A plan and phasing for Traffic Control showing the location of construction signs, barricades, delineators, and flashing arrow signs.
- A outline with developed sections of the Operation and Maintenance Manual for the storm drain outfall and low flow diversion system, including and detailing the following:
    - A full maintenance procedure.
    - Maintenance Schedule for BMP.
    - Maintenance cost estimate for BMP.
    - Verifying sufficient access to underground structures.
- Technical Specifications for all the identified items of work.
- Bid Quantities and Opinion of Probable Cost Estimate.

Deliverables:

- Six (6) copies of the 60% plans and specifications

The 100% Design will include:

- A plan and profile of the Storm Drain, Water and Sewer lines with details.
- A plan and sections of the Storm Drain Outfall Structure including the affected Seawall with details.
- A plan and sections of the Architectural Treatment to Storm Drain Outfall Structure with details.
- A plan and sections of the Low Flow Diversion system with details.
- A plan of the Pavement Areas to be replaced and Pedestrian Ramps to be installed with details.
- A plan and phasing for Traffic Control showing the location of construction signs, barricades, delineators, and flashing arrow signs with details.
- A complete Operation and Maintenance Manual for the storm drain outfall and low flow diversion system, including D size sheets detailed enough to understand how each part functions.
- A draft SWPPP or WPCP depending on the classification of the project.
- Technical Specifications for all the identified items of work.
- Bid Quantities and Opinion of Probable Cost Estimate

Deliverables:

- Six (6) copies of the 100% plans and specifications

The Final Design will include:

- A bid ready plan and profile of the Storm Drain, Water and Sewer lines with details.
- A bid ready plan and sections of the Storm Drain Outfall Structure including the affected Seawall with details.
- A bid ready plan and sections of the Architectural Treatment to Storm Drain Outfall Structure with details.
- A bid ready plan and sections of the Low Flow Diversion system with details.
- A bid ready plan of the Pavement Areas to be replaced and Pedestrian Ramps to be installed with details.
- A bid ready plan and phasing for Traffic Control showing the location of construction signs, barricades, delineators, and flashing arrow signs with details.
- A ready to use Operation and Maintenance Manual for the storm drain outfall and low flow diversion system, including D size sheets detailed enough to understand how each part functions.
- A final SWPPP or WPCP depending on the classification of the project.
- A bid ready Technical Specifications for all the identified items of work.
- A bid ready Bid Quantities and Final Opinion of Probable Cost Estimate

Deliverables:

- One (1) Signed Mylar drawings of the Final approved plans for construction.
- Six (6) copies of the SWPPP or WPCP.
- Six (6) copies of the Operation and Maintenance Manual
- Electronic version of the drawings and specifications will be submitted for the final submittal package. Drawings will be in Microstation format and specifications will be in Microsoft Word format. Electronic submittal will be delivered on a CD.

TASK 8: Bid Support

Assist the City in the bidding of the contract documents to include:

- Attending a pre-bid meeting.
- Answering up to 15 RFI's.
- Assist in preparing addenda regarding design issues.

TASK 9: Construction Support

Tetra Tech will provide construction engineering support services to include:

- Review up to 100 Submittals and Resubmittals.
- Respond up to 30 RFIs.
- Evaluate up to 5 contractor's request for change orders.
- Prepare up to 3 construction changes.
- Attend up to 10 construction meetings.
- Make up to 10 site visits.
- Provide up to 3 days of final walk through and start up assistance.
- The original CAD drawings will be modified to reflect the "as-built" changes from redlined plans provided by the contractor and the City. "Record Drawings" signed mylars will be provided to the City along with the electronic drawing files.

TASK 10: Additional Services

Additional Services is a fund for unforeseen conditions and includes services, which may be required for completion of the project but which, due to the lack of firm definition of scope and limits at the present time, can not be identified with precision. Because of the need for these "Additional Services" is not absolutely established, such "Additional Services" shall not be undertaken by Tetra Tech or it's sub-consultants without specific definition and written authorization from the City. The need for such services beyond the required SOW described above in this Task Order may arise from condition changes. The amount of $40,000 is budgeted for these purposes.

3.0 COST SUMMARY

This section provides the data and information for pricing the technical support to be provided under this Task Order. The following table presents the overall cost summary and the estimated task-specific costs for providing the support outlined in the previous sections. Tetra Tech proposes to perform this Delivery Order on a Time and Material basis using the rates included in our contract. All ODCs will be billed at actual incurred amounts. Tetra Tech proposes to invoice in accordance with Tetra Tech's 12 accounting periods each year.

TETRA TECH INCORPORATED
10306 EATON PLACE
SUITE 340
FAIRFAX, VA 22030

SERVICES TO BE FURNISHED:
Avenida de la Playa Storm Drain

The City of San Diego
Contract: H084445, Task Order 19

SUMMARY

JOB CATEGORY	HOURS		TOT EST COST
Principal	320	$ 198.98	$ 63,674
Project Manager	920	$ 170.56	$ 156,915
Senior Civil Engineer	600	$ 153.50	$ 92,100
Associate Civil Engineer	1674	$ 119.39	$ 199,859
Junior Civil Engineer	1440	$ 85.28	$ 122,803
Senior Water Resources Specialist	0	$ 139.29	$ -
Associate Water Resources Specialist	0	$ 105.18	$ -
Junior Water Resources Specialist	0	$ 76.75	$ -
Senior Planner	0	$ 139.29	$ -
Associate Planner	0	$ 105.18	$ -
Senior Environmental Scientist	0	$ 130.76	$ -
Associate Environmental Scientist	0	$ 102.33	$ -
Junior Environmental Scientist	0	$ 65.38	$ -
Senior Hydrologist	0	$ 142.13	$ -
Staff Hydrologist	200	$ 113.70	$ 22,740
Senior Hydrogeologist	0	$ 127.92	$ -
Staff Hydrogeologist	0	$ 105.18	$ -
Surveyor	0	$ 99.49	$ -
Assistant Surveyor	0	$ 56.85	$ -
Drafting Technician	0	$ 71.06	$ -
Contract Administrator	0	$ 85.28	$ -
Administrative/Clerical	120	$ 51.17	$ 6,140
SUBTOTAL LABOR	**5274**		**$ 664,231**

REPRODUCTION	COPIES	APPROVED RATE	TOT EST COST
Black and White	1000	$0.10	$ 100
Color	400	$1.00	$ 400
SUBTOTAL REPRODUCTION			$ 500

TRAVEL			TOT EST COST
a. Transportation			$ 1,050
b. Per Diem			$ 600
HOTEL (MAXIMUM FED. RATE)		$ -	
M&IE (MAXIMUM $50/day)		$ -	
c. Mileage	2000	$ 0.55	$ 1,100
Meeting with City and subcontractor			
SUBTOTAL TRAVEL			$ 2,750
Other ODC Total			$ 48,750

SUBCONSULTANT	HOURS	TOT EST COST
Allied Geotechnical Engineers, Inc.	96.00	$ 10,040
Berggren Land Survey & Mapping, Inc.	-	$ -
Black & Veatch Corporation	-	$ -
Chambers Group, Inc.	-	$ -
CIC Research, Inc.	-	$ -
CRG Marine Laboratories, Inc.	-	$ -
Garbini & Garbinia Landscape Architechture, Inc.	-	$ -
GeoSyntec Consultants	-	$ -
Katz & Associates, Inc.	-	$ -
Platte/Whitelaw Architects	354.00	$ 36,336
LNSB, LLLP Stormwater Services	-	$ -
MACTEC Engineering and Consulting, Inc.	-	$ -
Nautilus Environmental, LLC	-	$ -
Nolte Associates, Inc.	-	$ -
RECON Environmental, Inc.	606.00	$ 80,430
Safework, Inc.	-	$ -
OTHER TBD		
SUBTOTAL SUBCONSULTANT		$ 126,806

TOTAL PROPOSED COST	5,274	$	843,037

12/16/05

PLATT/WHITELAW
ARCHITECTS, INC.

Alison M. Whitelaw, FAIA
PRINCIPAL ARCHITECT

Kenneth E. Green, AIA
SENIOR ASSOCIATE

Sandra S. Gramley, AIA
SENIOR ASSOCIATE

Naveen H. Waney
SENIOR ASSOCIATE

Rebecca S. M. Grijalva
ASSOCIATE

July 13, 2009

Brad Nguyen, Project Manager
Tetra Tech
10815 Rancho Bernardino Road, Suite 200
San Diego, California 92127

Re: Avenid De La Playa Storm Drain Outlet Structure
ARCHITECTURAL CONSULTING SERVICES

Dear Dick:

This letter will serve to commit Platt/Whitelaw Architects, Inc., to work with Tetra Tech's team of professionals in the interest of the City of San Diego's stated program, goals and processes for Avenida de la Playa Storm Drain Outlet Structure. Platt/Whitelaw is a Caltrans-certified Woman Owned Business. Our certificate is attached.

We understand that a preliminary assessment of our percent of participation in this work is two percent and we are in a position to participate at that level.

Thank you for contacting us to participate with you and your other design team members on this interesting and worthwhile project.

Sincerely,

PLATT/WHITELAW ARCHITECTS, INC. by

Alison M. Whitelaw, FAIA
President and Principal Architect

AMW:hcn

4034 30th Street
San Diego, CA
92104-2602
ph 619 546 4326
fax 619 546 4350
www.plattwhitelaw.com

BUSINESS ENTERPRISE CERTIFICATE

PLATT/WHITELAW ARCHITECTS, INC

4034 30TH STREET
SAN DIEGO, CA 92104

Owner: ALISON WHITELAW

Business Structure: CORPORATION

STATE WOMEN BUSINESS ENTERPRISE

This certificate acknowledges that said firm is approved by the California Department of Transportation as a State Minority Business Enterprise or State Women Business Enterprise (or in some cases both) in accordance with Assembly Bill Number 486, Chapter 1329 and the California Public Code, Chapter 2.5 (commencing with Section 2050), for the following NAICS codes:

* 541310 Architectural Services

* Indicates primary NAICS code

CERTIFYING AGENCY:
DEPARTMENT OF TRANSPORTATION
1823 14TH STREET, MS 79
SACRAMENTO, CA 95814 0000
(916) 324-1700

Firm Number : 15388
Renewal Date : August 1, 2010

Janice Salais

July 17, 2008

JANICE SALAIS, CERTIFYING AGENCY REPRESENTATIVE